SINGER KNITTING MACHINES

Jumpers and Cardigans: Raglan Sleeves

Series 1

5 PLY

INDEX

Tensions		Page 3
Measurements		Page 3
Basic Measurements		Page 4
Decreasing		Page 4
Hems		Page 4
Ribbing		Page 4
Buttonholes		Page 5
Quantities		Page 5
Jumper	Back	Page 7
	V Neck	Page 8
	Round Neck	Page 9
	Polo Neck	Page 9
	Long Sleeves	Page 10
	Short Sleeves	Page 11
Jumper	Neckbands	Page 12·13
Cardigan	Back	Page 15
	V Neck	Page 16
	Round Neck	Page 17
	Long Sleeves	Page 18
	Short Sleeves	Page 19
Cardigan	Neckbands	Page 20·21
Completion of Garments		Page 22

SINGER RAGLAN FASHIONS USING PATONS BLUEBELL OR SINGER 5 PLY CREPE

These raglan sleeved garments have been designed for all Singer Knitting Machines. The designs for children and adults cover cardigans with round or V necks and jumpers with round, polo or V necks —all styles may have short or long sleeves.

This book has been designed for beginners. However, more advanced knitters may like to add their own variations with stripes or bands of fairisle, or lengthen for dresses.

To ensure the success of your knitting the first part of this book has been devoted to advice on tensions, measurements, hems and ribs, fashion decreasing, buttonholes and quantities of yarn required.

Tensions

These garments have been designed for Patons Bluebell—a 5 ply crepe—or Singer 5 ply crepe made by Patons on 6 oz cones. In order to match the sizes shown in this book it is essential to produce the correct tension. The correct stocking stitch tension is:—

14½ stitches to 2 inches
21 rows to 2 inches

For all Singer machines we suggest Tension 7—however, as each machine varies, it is advisable to check your tension. Various colours and flecks can also affect the tension.

To check tension: Knit a sample with 40 stitches on a tension one point below suggested tension, e.g., T.6.2—knit 30 rows and mark work—then change to T.7 and knit 30 rows, then T.7.1 for 30 rows. Remove the sample from the machine and leave for at least 12 hours before measuring.

Measurements

We have used average measurements; however, individual requirements may need the lengths to be altered. At the point for alteration the instructions have been marked "adjust here." For shorter lengths deduct 10 rows for each inch and for longer lengths add 10 rows for each inch.

If altering lengths, remember to alter all body pieces and both sleeves if required. For cardigans the bands will also need alteration.

Basic Measurements

Jumpers

Sizes	22	25	28	31	34	37	40	43	46
Garment measures	24	27	30	33	36	39	42	45	48
Length from Back Neck	13½	15½	17½	19½	23½	24	24½	26	26½
Sleeve Length: long	11	13	15	16	17	17	17	18	18
short	2½	2½	2½	2½	3	3	3	3	3

Cardigans

Sizes	22	25	28	31	34	37	40	43	46
Garment measures	25	28	31	34	37	40	43	46	49
Length from Back Neck	14	16	18	20	24	24½	25	26½	27
Sleeve length: long	11½	13½	15½	16½	17½	17½	17½	18½	18½
short	2½	2½	2½	2½	3	3	3	3	3

Fashion Raglan Decreasing

Method 1: With 3 eye transfer tool move stitches in one place. The third end stitch is now placed onto the fourth stitch.

Method 2: Place the fourth stitch onto the third stitch. With the 3 eye tool move the three end stitches in one place—thus filling the empty needle.

Method 3: Instead of decreasing one stitch every second row, two stitches may be decreased every fourth row. Place the third and fourth stitches onto the fifth and sixth, then move the end two stitches in two places and filling the two empty needles. This will give a cable effect.

Hems and Ribbing

Instructions are given for both hems or ribbing, allowing for individual requirements.

Hems are turned up and may be completed on the machine or sewn by hand later. There are two types of hems:—

1. Stocking stitch.
2. Imitation rib—where the given number of needles are selected and then every alternate needle is pushed out of action. When the hem is completed remember to put the alternate needles back into action.

Ribbing: The instructions are for K1, P1 or single rib using a ribber attachment.

Tensions: For stocking stitch hems the tension is one number tighter than the normal tension. For imitation rib and K1, P1 rib the tension is 2 numbers tighter than the normal tension.

Buttonholes

The correct placement of buttonholes is given in all cardigan bands. These may be worked in either K1, P1 rib or imitation rib.

K1, P1 Rib: 1. For small buttons—transfer the centre ribber bed stitch onto the above main bed stitch—there are now two stitches on one needle. Leave the empty rib needle in action and continue knitting.

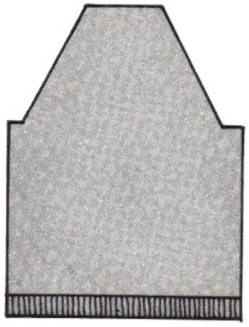
2. For larger buttons—transfer the centre ribber bed stitch onto the above main bed stitch, then transfer the next main bed stitch onto next ribber stitch. There will now be on each bed, two stitches on one needle and one empty needle. Leave the empty needles in action and continue knitting.

Imitation Rib: The bands in imitation rib are made double the width and folded back—therefore on the same row 2 buttonholes are to be made on needles mentioned in the instructions and when folded are stitched together. To make the buttonhole—knit 2 stitches together and leave the empty needle in action.

Materials

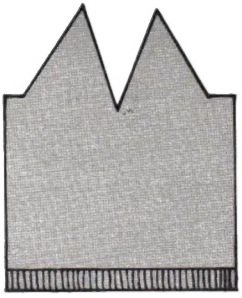
The figures quoted are for **5 ply 1 oz balls.** If alterations are made to lengths also alter quantities.

Sizes	22	25	28	31	34	37	40	43	46
Long Sleeve Garments									
V neck jumper	8	9	10	12	15	16	18	20	22
Round neck jumper	8	9	10	12	15	16	18	20	22
Polo neck jumper	9	10	11	13	16	17	19	21	23
Round neck cardigan	9	10	11	13	16	17	19	21	23
V neck cardigan	9	10	11	13	16	17	19	21	23
Short Sleeve Garments									
V neck jumper	6	7	8	10	12	13	15	16	18
Round neck jumper	6	7	8	10	12	13	15	16	18
Round neck cardigan	7	8	9	11	13	14	16	17	19
V neck cardigan	7	8	9	11	13	14	16	17	19



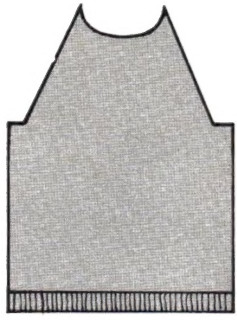
JUMPER–BACK PANEL FOR ALL STYLES

Sizes	22	25	28	31	34	37	40	43	46
1. Cast on xxx stitches	87	97	109	119	131	143	153	165	177
2. Knit welt—hem 40 rows rib 20 rows. — Change tension —									
3. Transfer to stocking stitch and knit xxx rows above welt (adjust length)	64	78	90	104	140	140	140	146	146
4. Row counter 000.									
5. Cast off xxx stitches at beginning of next 2 rows	4	4	4	4	4	5	6	6	7
6. Decrease 1 stitch each end every 4th row xxx times	6	6	5	3	1	—	—	2	1
7. Decrease 1 stitch each end every row xxx times	—	—	—	—	—	—	4	—	—
8. Decrease 1 stitch each and every 2nd row xxx times	19	23	29	35	42	47	47	51	55
9. There are now xxx rows	64	72	80	84	90	96	100	112	116
10. Cast off remaining xxx stitches	29	31	33	35	37	39	39	47	51



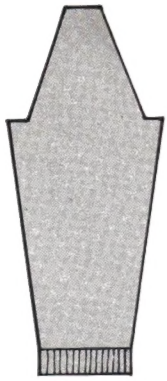
JUMPER FRONT–V NECK

Sizes	22	25	28	31	34	37	40	43	46
1. Follow steps 1 to 5 of back.									
2. Decrease 1 stitch at centre front.									
3. Work on half the stitches nearest carriage, placing other half out of action xxx stitches	39	44	50	55	61	66	70	76	81
Note: Steps 4 to 7 are knitted simultaneously.									
4. At armhole edge decrease 1 stitch every 4th row xxx times	6	6	5	3	1	—	—	2	1
5. At armhole edge decrease 1 stitch every row xxx times	—	—	—	—	—	—	4	—	—
6. At armhole edge decrease 1 stitch every 2nd row xxx times	19	23	29	35	42	47	47	51	55
7. At neck edge decrease 1 stitch every 4th row xxx times.	13	14	15	16	17	18	18	22	24
8. Bind off last 2 stitches.									
9. Work on other half, repeating steps 4 to 8, reversing shapings.									



JUMPER FRONT–ROUND OR POLO NECK

Sizes	22	25	28	31	34	37	40	43	46
1. Follow steps 1 to 7 of back.									
2. Decrease 1 stitch each end every 2nd row until xxx stitches remain	55	57	61	67	71	75	77	91	97
3. There are now xxx rows Shape neck—	38	46	52	52	56	60	62	68	70
4. Work on xxx stitches nearest carriage holding remainder	19	20	21	24	25	27	28	33	35
Note: Steps 5 and 6 are knitted simultaneously.									
5. At neck edge decrease 1 stitch every 3rd row xxx times	5	6	6	7	7	8	8	10	11
6. At armhole edge continue to decrease 1 stitch every 2nd row until 2 stitches remain.									
7. Bind off last 2 stitches.									
8. Cast off xxx stitches at the centre	17	17	19	19	21	21	21	25	27
9. Work on other side, following steps 5 to 7, reversing shapings.									



JUMPER–LONG SLEEVES

Sizes	22	25	28	31	34	37	40	43	46
1. Cast on xxx stitches	43	51	57	61	63	65	69	75	79
2. Knit welt—hem 40 rows rib 20 rows. — Change tension —									
3. Transfer to stocking stitch and knit xxx rows	4	4	4	4	2	2	2	2	2
4. Increase 1 stitch each end of this and every following xxx rows	7	7	7	8	8	8	8	8	8
5. Increase xxx times altogether	11	13	16	18	18	18	19	21	22
6. There are now xxx stitches	65	77	89	97	99	101	107	117	123
7. Knit straight to xxx rows above welt (adjust length) Shape raglan —	100	116	136	148	160	160	160	174	174
8. Row counter 000.									
9. At beginning of next 2 rows cast off xxx stitches	4	4	4	4	4	5	6	6	7
10. Decrease 1 stitch each end every 4th row xxx times	8	6	4	2	4	7	7	9	9
11. Decrease 1 stitch each end every 2nd row xxx times	15	23	31	37	36	33	35	37	39
12. There are now xxx rows	64	72	80	84	90	96	100	112	116
13. Cast off remaining xxx stitches .... Knit another sleeve the same way.	11	11	11	11	11	11	11	13	13

JUMPER–SHORT SLEEVES

Sizes	22	25	28	31	34	37	40	43	46
1. Cast on xxx stitches	51	63	75	83	85	87	93	103	109
2. Knit welt—hem 20 rows									
rib 10 rows.									
— Change tension —									
3. Transfer to stocking stitch and knit 2 rows.									
4. Increase 1 stitch each end of this and every xxx rows	2	2	2	2	3	3	3	3	3
5. Increase 7 times altogether.									
6. There are now xxx stitches	65	77	89	97	99	101	107	117	123
7. Knit to xxx rows above welt	20	20	20	20	24	24	24	24	24
8. Continue with steps 8 to 13 of long sleeve.									

NECKBANDS–JUMPERS–
USING RIBBER ATTACHMENT

ROUND NECK JUMPER

Sizes	22	25	28	31	34	37	40	43	46
1. Cast on xxx stitches for K1, P1 rib	119	121	129	139	147	153	157	185	191
2. Rib for xxx rows	28	28	28	28	30	30	30	30	30

3. Cast off loosely.

Note: When attached, neckband is folded in half.

POLO NECK JUMPER

Sizes	22	25	28	31	34	37	40	43	46
1. Commence as step 1 of round neck.									
2. Rib for xxx rows	60	60	60	60	70	70	70	70	70

3. Cast off loosely.

V NECK JUMPER

Sizes	22	25	28	31	34	37	40	43	46
Note: Most sizes knitted in 2 pieces.									
1. Cast on xxx stitches for K1, P1 rib	179	121	123	129	137	145	149	171	179
2nd piece xxx stitches	—	83	91	95	101	107	111	123	127

2. Rib for 12 rows.

3. Cast off loosely.

Note: See back page for attaching 2 pieces.

Note: When attaching neckbands it is best to use the cast on edge as the finished edge and attach the cast off edge to the garment.

NECKBANDS–JUMPERS USING IMITATION RIB

ROUND NECK JUMPER

Sizes	22	25	28	31	34	37	40	43	46
1. Select xxx needles	119	121	129	139	147	153	157	185	191
2. Push out of action every alternate needle.									
3. Using winding method, cast on loosely.									
4. Knit xxx rows	28	28	28	28	30	30	30	30	30
5. Cast off loosely.									

Note: When attached, neckband is folded in half.

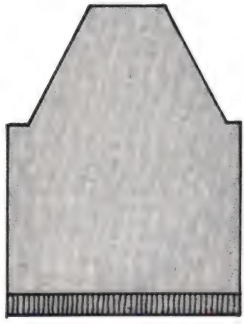
POLO NECK JUMPER

Sizes	22	25	28	31	34	37	40	43	46
1. Commence as steps 1 to 3 of round neck.									
2. Knit xxx rows	60	60	60	60	70	70	70	70	70
3. Cast off loosely.									

V NECK JUMPER

Sizes	22	25	28	31	34	37	40	43	46
Note: Most sizes knitted in 2 pieces.									
1. Select xxx needles	179	121	123	129	137	145	149	171	179
2nd piece xxx needles	—	83	91	95	101	107	111	123	127
2. Push out of action every alternate needle.									
3. Using winding method, cast on loosely.									
4. Knit 24 rows.									
5. Cast off loosely.									

Note: When attached, neckband is folded in half. See back page for attaching 2 pieces.

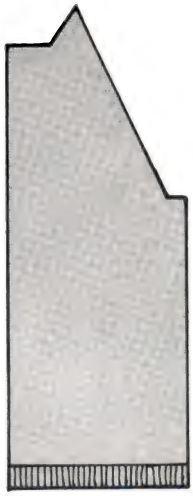


CARDIGAN–BACK PANEL FOR ALL STYLES

Sizes	22	25	28	31	34	37	40	43	46
1. Cast on xxx stitches	91	101	113	123	135	147	157	169	181
2. Knit welt—hem 40 rows rib 20 rows. — Change tension —									
3. Transfer to stocking stitch and knit to xxx rows above welt (adjust length)	68	82	94	108	144	144	144	150	150
4. Row counter 000.									
5. At beginning of next 2 rows cast off xxx stitches	4	4	4	4	4	5	6	6	7
6. Decrease 1 stitch each end every 4th row xxx times.	6	6	5	3	1	—	—	2	1
7. Decrease 1 stitch each end every row xxx times	—	—	—	—	—	—	4	—	—
8. Decrease 1 stitch each end every 2nd row xxx times	20	24	30	36	43	48	48	52	56
9. There are now xxx rows	66	74	82	86	92	98	102	114	118
10. Cast off remaining xxx stitches	31	33	35	37	39	41	41	49	53

CARDIGAN–FRONT–V NECK

Sizes	22	25	28	31	34	37	40	43	46
1. Cast on xxx stitches	45	49	55	61	67	73	79	83	89
2. Knit welt—hem 40 rows									
rib 20 rows.									
— Change tension —									
3. Transfer to stocking stitch and knit xxx rows above welt (adjust length)	62	82	94	108	144	144	144	150	150
Shape raglan and neckline —									
4. At armhole edge cast off xxx stitches	4	4	4	4	4	5	6	6	7
5. At neck edge decrease 1 stitch.									
Note: Steps 6 to 9 are knitted simultaneously.									
6. At neck edge decrease 1 stitch every 4th row xxx times	13	13	14	16	17	18	19	21	23
7. At armhole edge decrease 1 stitch every 4th row xxx times	6	6	5	3	1	—	—	2	1
8. At armhole edge decrease 1 stitch every row xxx times	—	—	—	—	—	—	4	—	—
9. At armhole edge decrease 1 stitch every 2nd row xxx times	20	24	30	36	43	48	48	52	56
10. Bind off last 2 stitches.									
Knit another front, reversing shapings.									



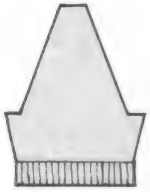
CARDIGAN–FRONT–ROUND NECK

Sizes	22	25	28	31	34	37	40	43	46
1. Follow steps 1 to 4 of V neck.									
2. At armhole edge decrease 1 stitch every 4th row xxx times	6	6	5	3	1	—	—	2	1
3. At armhole edge decrease 1 stitch every row xxx times	—	—	—	—	—	—	4	—	—
4. At armhole edge decrease 1 stitch every 2nd row until xxx stitches remain	29	29	31	35	37	38	41	46	49
5. There are now xxx rows Shape neck—	38	46	52	52	56	60	62	68	70
6. At neck edge cast off xxx stitches	9	9	9	10	10	10	11	12	13
Note: Steps 7 and 8 are knitted simultaneously.									
7. At neck edge decrease 1 stitch every 2nd row xxx times	5	5	6	7	8	8	9	10	11
8. At armhole edge continue to decrease 1 stitch every 2nd row until 2 stitches remain.									
9. Bind off last 2 stitches.									
Knit another front, reversing shapings.									

CARDIGAN–LONG SLEEVES

Sizes	22	25	28	31	34	37	40	43	46
1. Cast on xxx stitches	47	55	61	65	67	69	73	79	83
2. Knit welt—hem 40 rows rib 20 rows.									
—Change tension—									
3. Transfer to stocking stitch and knit xxx rows	2	2	2	2	6	6	6	6	6
4. Increase 1 stitch each end of this and every following xxx rows	7	7	7	8	8	8	8	8	8
5. Increase xxx times altogether	11	13	16	18	18	18	19	21	22
6. There are now xxx stitches	69	81	93	101	103	105	111	121	127
7. Knit straight to xxx rows above welt (adjust length)	104	120	140	152	164	164	164	180	180
Shape Raglan—									
8. Row counter 000.									
9. At beginning of next 2 rows cast off xxx stitches	4	4	4	4	4	5	6	6	7
10. Decrease 1 stitch each end every 4th row xxx times	7	5	3	1	3	6	6	8	8
11. Decrease 1 stitch each end every 2nd row xxx times	18	26	34	40	39	36	38	40	42
12. There are now xxx rows	66	74	82	86	92	98	102	114	118
13. Cast off remaining xxx stitches	11	11	11	11	11	11	11	13	13

Knit another sleeve the same way.



CARDIGAN–SHORT SLEEVES

Sizes	22	25	28	31	34	37	40	43	46
1. Cast on xxx stitches	55	67	77	87	89	91	99	107	113
2. Knit welt—hem 20 rows rib 10 rows.									
— Change tension —									
3. Transfer to stocking stitch and knit 2 rows.									
4. Increase 1 stitch each end of this and every following xxx rows	2	2	2	2	3	3	3	3	3
5. Increase until xxx stitches	69	81	91	101	103	105	113	121	127
6. Knit straight to xxx rows above welt (adjust length)	20	20	20	20	24	24	24	24	24
7. Continue with steps 8 to 13 of long sleeve.									

NECKBANDS–CARDIGAN–
USING RIBBER ATTACHMENT

V NECK CARDIGAN

Sizes	22	25	28	31	34	37	40	43	46
1. Cast on 15 stitches for K1, P1 rib.									
2. Rib 5 rows.									
3. Make buttonholes in next and every following xxx rows (see front section)	21	24	22	25	26	26	26	28	28
4. Make xxx buttonholes altogether	5	5	6	6	6	7	7	7	7
5. Continue ribbing until xxx rows from beginning	330	374	412	440	538	544	556	590	600
6. Cast off.									

Note: If length of garment is altered adjust the band by double the number of altered rows.

ROUND NECK CARDIGAN

Sizes	22	25	28	31	34	37	40	43	46
Front Band Without Buttonholes									
1. Cast on 15 stitches for K1, P1 rib.									
2. Rib for xxx rows	140	160	178	190	227	236	236	250	250
3. Cast off.									

Note: If length of garment is altered adjust band by same number of rows.

Front Band With Buttonholes

1. Cast on 15 stitches for K1, P1 rib.									
2. Rib 5 rows.									
3. Make buttonholes in next and every following xxx rows (see front section)	26	30	28	30	31	32	32	30	30
4. Make xxx buttonholes altogether	6	6	7	7	8	8	8	9	9
5. Rib for 5 rows.									
6. Cast off.									

See note for "without buttonholes."

Neckband

1. Cast on xxx stitches for K1, P1 rib.	127	127	135	143	157	159	163	187	187
2. Rib for 12 rows.									
3. Cast off loosely.									

Note: It is best to use cast on edge as finished edge and attach cast off edge to garment. Front bands extend to form part of the neckband.

NECKBANDS–CARDIGANS–USING IMITATION RIB

V NECK CARDIGAN

Sizes	22	25	28	31	34	37	40	43	46
1. Select 32 needles.									
2. Push out of action every alternate needle.									
3. Using winding method, cast on loosely.									
4. Knit 5 rows.									
5. Make buttonholes on 4th stitch in from each end (see front section).									
6. Knit xxx rows	21	24	22	25	26	26	26	28	28
7. Repeat steps 5 and 6 until xxx series of buttonholes are made	5	5	6	6	6	7	7	7	7
8. Continue to knit until xxx rows from beginning	330	374	412	440	538	544	556	590	600
9. Cast off loosely.									

Note: If length of garment is altered adjust band by double the number of altered rows.

ROUND NECK CARDIGAN

Sizes	22	25	28	31	34	37	40	43	46
Front Band Without Buttonholes									
1. Follow steps 1 to 3 of V neck.									
2. Knit for xxx rows	140	160	178	190	227	236	236	250	250
3. Cast off.									

Note: If length of garment is altered adjust band by same number of rows.

Front Band With Buttonholes

1. Follow steps 1 to 4 of V neck.									
2. Make buttonholes on 4th stitch in from each end (see front section).									
3. Knit xxx rows	26	30	28	30	31	32	32	30	30
4. Repeat steps 2 and 3 until xxx series of buttonholes are made	6	6	7	7	8	8	8	9	9
5. Knit 5 rows.									
6. Cast off.									

See note for "without buttonholes."

Neckband

1. Select xxx needles	127	127	135	143	157	159	163	187	187
2. Push out of action every alternate needle.									
3. Using winding method, cast on loosely.									
4. Knit 24 rows.									
5. Cast off loosely.									

Note: Front band extends to form part of neckband.

COMPLETION OF GARMENTS

All Styles

1. Press all pieces lightly with a damp cloth.
2. Sew up the 4 raglan seams.
3. Sew the side and sleeve seams.

Attaching Neckbands

Round Neck Jumper

For both imitation rib and rib sew the neckband evenly around the neck—fold in half and slip stitch.

Polo Neck Jumper

Imitation Rib: Attach as for round neck jumper.

Rib: Sew cast off edge to the neckline.

V Neck Jumper

Imitation Rib: Sew band around neck commencing at the V—with 2 pieces, the second commences at a back raglan seam, fold the band in half and slip stitch— make a mitred corner at the V.

Rib: Sew band around neck using the cast off edge commencing at the V—with 2 pieces, the second commences at a back raglan seam, mitre the ends at the V.

Round Neck Cardigan

Imitation Rib: Attach the neckband evenly, fold in half and slip stitch. Attach the bands down each front commencing at the top of the neckband—fold in half and slip stitch. Catch the buttonholes together.

Rib: Attach the neckband evenly around neck using cast off edge—attach bands from top of neckband.

V Neck Cardigan

Imitation Rib: Attach band evenly around neckline, fold in half and slip stitch. Catch the buttonholes together.

Rib: Attach evenly around neckline.

SINGER
SEWING
MACHINES